

RAW SEQUENCE LISTING

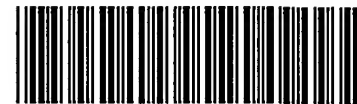
The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/6/4,599A

Source: 1FW16

Date Processed by STIC: 11/16/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 11/16/2006

PATENT APPLICATION: US/10/614,599A

TIME: 09:38:39

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\11162006\J614599A.raw

3 <110> APPLICANT: ANDREW, DAVID P.
 4 LEWIN, DAVID A.
 5 PENNICA, DIANE
 6 RASTELLI, LUCA
 7 TALLION, BRUCE
 10 <120> TITLE OF INVENTION: WNT-REGULATED CYTOKINE-LIKE POLYPEPTIDE AND NUCLEIC
 11 ACIDS ENCODING SAME
 13 <130> FILE REFERENCE: 11669.191USC1
 15 <140> CURRENT APPLICATION NUMBER: 10/614,599A
 16 <141> CURRENT FILING DATE: 2003-07-07
 18 <150> PRIOR APPLICATION NUMBER: 09/715,747
 19 <151> PRIOR FILING DATE: 2000-11-17
 21 <150> PRIOR APPLICATION NUMBER: 09/715,418
 22 <151> PRIOR FILING DATE: 2000-11-16
 24 <150> PRIOR APPLICATION NUMBER: 60/166,177
 25 <151> PRIOR FILING DATE: 1999-11-18
 27 <160> NUMBER OF SEQ ID NOS: 49
 29 <170> SOFTWARE: PatentIn Ver. 2.1
 31 <210> SEQ ID NO: 1
 32 <211> LENGTH: 212
 33 <212> TYPE: DNA
 34 <213> ORGANISM: Mus sp.
 36 <400> SEQUENCE: 1
 37 gaattcagtg atgtagagag ggccattgag acactcatca agaacttcca taaatactct 60
 38 gtggcgggta aaaaggaaac actgaccctt gctgagcttc gagacctggt taccagcag 120
 39 ctgccacacc tcatgccgag caactgtggg ttagaagaga aaattgcaa cctgggcaac 180
 40 tgtaatgact cgaaactgga gtttggaagc tt 212
 43 <210> SEQ ID NO: 2
 44 <211> LENGTH: 1670
 45 <212> TYPE: DNA
 46 <213> ORGANISM: Mus sp.
 48 <220> FEATURE:
 49 <221> NAME/KEY: misc_feature
 50 <222> LOCATION: (1541)
 51 <223> OTHER INFORMATION: "n" represents a, t, c, g, other or unknown
 53 <400> SEQUENCE: 2
 54 tcagggtgagc tggctcctcc atcctgtctc ccagctgcca gcaggctctc cctcctctta 60
 55 ggtagatcat gatccatcag ctctgtggg gcaggctata ggacagacga caaaactcaa 120
 56 ctacacagaag gaaggaccag tgtaccagga acgatgggac agtgtcggtc agccaatgct 180
 57 gaggatgcc aagaattcag tgatgtagag agggccattg agacatcat caagaacttc 240
 58 cataaatact ctgtggcggg taaaaaggaa acactgacc ctgctgagct tcgagacctg 300
 59 gttaccgagc agctgccaca cctcatgcc agcaactgtg ggtagaaga gaaaattgcc 360
 60 aacctgggca actgtaatga ctcgaaactg gagtttggaa gcttctggga gttgattgga 420

see p.6

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61 gaagcagcca agagtgtgaa gatggagagg cctgttactc ggagctgagg acttctactt 480
62 ggaacttggt ggggggtgtg gggatagggg agtttttagag gcaactggaaa taaaaccctc 540
63 aatgcccacc acccccttcc ccagcctgca cctctcctca ttgctgcaat gttcacgttc 600
64 aggacaggct tccctgtggg ctccatggag ctccctgggtc cagaagtcct catctcaagg 660
65 gagctcaggg ggtgggtgtg ggctggagag gatatgcagg gatcctggaa gggtaagggc 720
66 caagcaatgt ggtagtaggg gaagggcaga aaggaactgg gttatggaag tgatccaaag 780
67 agcagggatg ggaatctggc tgcataatgt gtcctgaaaa ggggtgtctga gaacctaccc 840
68 ccttctaatac ttgtcccacc taaactgtag ttgtctgccc tgtgctatcc ttgctgcttc 900
69 cagctctgcc ccctcctcct tccagtgtct gttcctgagt aggggcaggg gaaataggag 960
70 cagagttgca aaagaggctg aggagggcat gacttcatca ctttgggggtg agaggaccag 1020
71 ctagatgctt gggcatttat ggtagtattt ttatatcatt tgattaataa aaatattgga 1080
72 aaatgtaaag aaaaaaaaaa aaaaaaacat ggggccgaaa ctttatcccc cttgagtagg 1140
73 gtgatatttt gcgtgtgcaa tgggcggcct gttttcgaga ggcgggtgaca tggggaaaac 1200
74 atgggggtgt accaaacctt aaccgccttt taggggaaac accccttttg ccgcaagtgg 1260
75 gtttaataacg gaagaagccc ggccggattg cccttcacaa gagtctcccg cggtagatgc 1320
76 ggatgggaca gcccccttcg gcggcggtta gagcggcgtg tgtgtggttt ctacgcgaat 1380
77 agggataaat attgtggcgg cgccgagggg gtgtgtgtgt tgcgcgcctg cttctgtgga 1440
78 ggtggtgtgt cccaaaaact aaaagggccc ttttgtgcgc gttagtgtgc tctagcagag 1500
W--> 79 tccgctgcac atatttttgtt gggcgtgtcc gtgccgccc nggtggtgct tgttctgtgc 1560
80 gtggcgtggg gtgggtgtgg ttgcgggggt ggtcgtgttg ggtgtgtgcg tgcgcgcggg 1620
81 ggccgtgtgt gtgtgtggtt gcatgataag gttagagtga gtgagagcgg 1670
84 <210> SEQ ID NO: 3
85 <211> LENGTH: 131
86 <212> TYPE: PRT
87 <213> ORGANISM: Mus sp.
89 <400> SEQUENCE: 3
90 Ser Ile Ser Ser Cys Gly Ala Gly Tyr Arg Thr Asp Asp Lys Thr Gln
91 1 5 10 15
93 Leu Thr Glu Gly Arg Thr Ser Val Pro Gly Thr Met Gly Gln Cys Arg
94 20 25 30
96 Ser Ala Asn Ala Glu Asp Ala Gln Glu Phe Ser Asp Val Glu Arg Ala
97 35 40 45
99 Ile Glu Thr Leu Ile Lys Asn Phe His Lys Tyr Ser Val Ala Gly Lys
100 50 55 60
102 Lys Glu Thr Leu Thr Pro Ala Glu Leu Arg Asp Leu Val Thr Gln Gln
103 65 70 75 80
105 Leu Pro His Leu Met Pro Ser Asn Cys Gly Leu Glu Glu Lys Ile Ala
106 85 90 95
108 Asn Leu Gly Asn Cys Asn Asp Ser Lys Leu Glu Phe Gly Ser Phe Trp
109 100 105 110
111 Glu Leu Ile Gly Glu Ala Ala Lys Ser Val Lys Met Glu Arg Pro Val
112 115 120 125
114 Thr Arg Ser
115 130
118 <210> SEQ ID NO: 4
119 <211> LENGTH: 357
120 <212> TYPE: DNA
121 <213> ORGANISM: Homo sapiens
123 <220> FEATURE:

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124 <221> NAME/KEY: misc_feature
125 <222> LOCATION: (231)
126 <223> OTHER INFORMATION: "n" represents a, t, c, g, other or unknown
128 <220> FEATURE:
129 <221> NAME/KEY: misc_feature
130 <222> LOCATION: (337)
131 <223> OTHER INFORMATION: "n" represents a, t, c, g, other or unknown
133 <400> SEQUENCE: 4
134 ataggacaac agaactctca ccaaaggacc agacacagtg agcaccatgg gacagtgtcg 60
135 gtcagccaac gcagaggatg ctcaggaatt cagtgatgtg gagagggcca ttgagaccct 120
136 catcaagaac tttcaccagt actccgtgga ggggtgggaag gagacgctga ccccttctga 180
W--> 137 gctacgggac ctggtcaccc agcagctgcc ccattctcat ccgagcaact ntggcctgga 240
138 agagaaaatt gccaacctgg gcagctgcaa tgactctaaa ctggagtcca ggagtttctg 300
139 ggagctgatt ggagaagcgg ccaagagtgt gaagctngag aggactgtcc gggggca 357
142 <210> SEQ ID NO: 5
143 <211> LENGTH: 379
144 <212> TYPE: DNA
145 <213> ORGANISM: Homo sapiens
147 <400> SEQUENCE: 5
148 gaattccaga gggagtcttc agtgcccccg gacaggcctc tccagcttca cactcttggc 60
149 cgcttctcca atcagctccc agaaactcct gaactccagt tttagagtcac tgcagctgcc 120
150 caggttgcca attttctctt ccaggccaca gttgctcggc atgagatggg gcagctgctg 180
151 ggtgaccagg tcccgtagct cagaaggggt cagcgtctcc tccccaccct ccacggagta 240
152 ctggtgaaag ttcttgatga gggctctcaat ggccctctcc acatcactga attcctgagc 300
153 atcctctgcg ttggctgacc gacactgtcc catggtgctc actgtgtctg gtcctttggt 360
154 gagagttctg ttgtcctat 379
157 <210> SEQ ID NO: 6
158 <211> LENGTH: 118
159 <212> TYPE: PRT
160 <213> ORGANISM: Homo sapiens
162 <400> SEQUENCE: 6
163 Asp Asn Arg Thr Leu Thr Lys Gly Pro Asp Thr Val Ser Thr Met Gly
164 1 5 10 15
166 Gln Cys Arg Ser Ala Asn Ala Glu Asp Ala Gln Glu Phe Ser Asp Val
167 20 25 30
169 Glu Arg Ala Ile Glu Thr Leu Ile Lys Asn Phe His Gln Tyr Ser Val
170 35 40 45
172 Glu Gly Gly Lys Glu Thr Leu Thr Pro Ser Glu Leu Arg Asp Leu Val
173 50 55 60
175 Thr Gln Gln Leu Pro His Leu Met Pro Ser Asn Cys Gly Leu Glu Glu
176 65 70 75 80
178 Lys Ile Ala Asn Leu Gly Ser Cys Asn Asp Ser Lys Leu Glu Phe Arg
179 85 90 95
181 Ser Phe Trp Glu Leu Ile Gly Glu Ala Lys Ser Val Lys Leu Glu
182 100 105 110
184 Arg Pro Val Arg Gly His
185 115
188 <210> SEQ ID NO: 7
189 <211> LENGTH: 20

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190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
196 <400> SEQUENCE: 7
197 cttgatgagg gtctcaatgg                                20
200 <210> SEQ ID NO: 8
201 <211> LENGTH: 26
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence: Probe
208 <400> SEQUENCE: 8
209 ccacatcact gaattcctga gcatcc                                26
212 <210> SEQ ID NO: 9
213 <211> LENGTH: 20
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
220 <400> SEQUENCE: 9
221 cagacacagt gagcaccatg                                20
224 <210> SEQ ID NO: 10
225 <211> LENGTH: 98
226 <212> TYPE: PRT
227 <213> ORGANISM: Homo sapiens, W27152, chemotactic cytokine II CCII from WO97/34013
229 <400> SEQUENCE: 10
230 Met Ala Ala Glu Pro Leu Thr Glu Leu Glu Glu Ser Ile Glu Thr Val
231   1           5           10           15
233 Val Thr Thr Phe Phe Thr Phe Ala Arg Gln Glu Gly Arg Lys Asp Ser
234           20           25           30
236 Leu Ser Val Asn Glu Phe Lys Glu Leu Val Thr Gln Gln Leu Pro His
237           35           40           45
239 Leu Leu Lys Asp Val Gly Ser Leu Asp Glu Lys Met Lys Ser Leu Asp
240           50           55           60
242 Val Asn Gln Asp Ser Glu Leu Lys Phe Asn Glu Tyr Trp Arg Leu Ile
243           65           70           75           80
245 Gly Glu Leu Ala Lys Glu Ile Arg Lys Lys Lys Asp Leu Lys Ile Arg
246           85           90           95
248 Lys Lys
252 <210> SEQ ID NO: 11
253 <211> LENGTH: 110
254 <212> TYPE: PRT
255 <213> ORGANISM: Homo sapiens, G491246, Macrophage Migration Inhibition Factor (MRP-
14)
257 <400> SEQUENCE: 11
258 Met Ser Gln Leu Glu Arg Asn Ile Glu Thr Ile Ile Asn Thr Phe His
259   1           5           10           15
261 Gln Tyr Ser Val Lys Leu Gly His Pro Asp Thr Leu Asn Gln Gly Glu
262           20           25           30

```

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```

264 Phe Lys Glu Leu Val Arg Lys Asp Leu Gln Asn Phe Leu Lys Lys Glu
265      35      40      45
267 Asn Lys Asn Glu Lys Val Ile Glu His Ile Met Glu Asp Leu Asp Thr
268      50      55      60
270 Asn Ala Asp Lys Gln Leu Ser Phe Glu Glu Phe Ile Met Leu Met Ala
271 65      70      75      80
273 Arg Leu Thr Trp Ala Ser His Glu Lys Met His Glu Gly Asp Glu Gly
274      85      90      95
276 Pro Gly His His Lys Pro Gly Leu Gly Glu Gly Thr Pro
277      100      105      110
280 <210> SEQ ID NO: 12
281 <211> LENGTH: 37
282 <212> TYPE: PRT
283 <213> ORGANISM: Unknown Organism
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Unknown Organism: 3-100/ICaBP type
287      calcium binding protein
289 <400> SEQUENCE: 12
290 Ser Asn Cys Gly Leu Glu Glu Lys Ile Ala Asn Leu Gly Ser Cys Asn
291 1      5      10      15
293 Asp Ser Lys Leu Glu Phe Arg Ser Phe Trp Glu Leu Ile Gly Glu Ala
294      20      25      30
296 Ala Lys Ser Val Lys
297      35
300 <210> SEQ ID NO: 13
301 <211> LENGTH: 37
302 <212> TYPE: PRT
303 <213> ORGANISM: Unknown Organism
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Description of Unknown Organism: 3-100/ICaBP type
307      calcium binding protein
309 <400> SEQUENCE: 13
310 Asp Val Glu Arg Ala Ile Glu Thr Leu Ile Lys Asn Phe His Gln Tyr
311 1      5      10      15
313 Ser Val Glu Gly Gly Lys Glu Thr Leu Thr Pro Ser Glu Leu Arg Asp
314      20      25      30
316 Leu Val Thr Gln Gln
317      35
320 <210> SEQ ID NO: 14
321 <211> LENGTH: 19
322 <212> TYPE: PRT
323 <213> ORGANISM: Unknown Organism
325 <220> FEATURE:
326 <223> OTHER INFORMATION: Description of Unknown Organism: Bacterial type II
327      secretion system protein F
329 <400> SEQUENCE: 14
330 Val Thr Gln Gln Leu Pro His Leu Met Pro Ser Asn Cys Gly Leu Glu
331 1      5      10      15
333 Glu Lys Ile

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/614,599A

DATE: 11/16/2006
TIME: 09:38:40

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\11162006\J614599A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1541/
Seq#:4; N Pos. 231,337/
Seq#:48; N Pos. 21,127

VERIFICATION SUMMARY

DATE: 11/16/2006

PATENT APPLICATION: US/10/614,599A

TIME: 09:38:40

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\11162006\J614599A.raw

L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1500

L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:180

M:341 Repeated in SeqNo=4

L:955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0

M:341 Repeated in SeqNo=48